

Title (en)  
CREMATORIUM INCINERATOR

Title (de)  
KREMATORIUMSOFFEN

Title (fr)  
FOUR CRÉMATOIRE

Publication  
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Application  
**EP 11761269 A 20110622**

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Abstract (en)  
[origin: WO2012022327A1] The invention relates to a crematorium incinerator (1) comprising at least one combustion chamber (2) with a ceiling, a wall (2.1) and a base (3) on which the object to be cremated is placed, a heat-delivery device (4), a combustion air supply (5) and an exhaust gas outlet (6). At least one combustion air-supply duct (7) and at least one exhaust gas-return duct (8) are provided inside the ceiling and/or wall (2.1) and/or base (3) of the combustion chamber (2), the exhaust gas-return duct (8) in the ceiling and/or wall (2.1) and/or base (3) having an inlet (8.1) and an outlet (8.2). The at least one combustion air-supply duct (7) opens out into the at least one exhaust gas-return duct (8) in the ceiling and/or wall (2.1) and/or base (3) of the combustion chamber (2) such that the combustion air supplied generates a suction effect in the combustion air supply into the combustion chamber (2). As a result thereof at least some of the exhaust gas produced during the combustion process is drawn into the inlet (8.1) of the exhaust gas-return duct (8) and discharged through the outlet (8.2) of the exhaust gas-return duct (8) into the combustion chamber (2) and is thus fed into the combustion process again.

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